

Course Syllabus

OSCM 3336
Inventory Management
Spring 2024



Class Information

Scheduled Time: Monday and Wednesday 10:30am – 11:50am
Classroom: BUSN 329

Textbook

No required textbook

Instructor Information

Dr. M. Ryan Hatton

Office: BUSN 226

Office hours: MW 3:00-4:30pm (in-person) or by appointment for Online Office Hours***

***Online office hours will be held via zoom ; Zoom link will be provided with an email/outlook appointment

E-mail: mrhatton@utep.edu

Course Description

Inventory Management: A study of the concepts, principles, problems, and procedures involved in managing inventories of raw materials, work-in-process, finished goods, and supplies. Some emphasis will be placed on the formulation and application of models for the analysis and replenishment of inventories. Implications for inventory management of material requirements planning and just in time systems will also be discussed.

Course Outcomes

- Broad insight into the functions and costs of inventories as well as the strategies to manage inventories in the firm.
- Theoretical knowledge and application of various analytical techniques used to address inventory management and control
- Ability to communicate results and recommendations stemming from the analysis of inventory and logistics systems.

Course Management Software – Blackboard

Class communication, material distribution, and grade posting will be conducted on Blackboard:

<https://blackboardlearn.utep.edu/>. It is your responsibility to regularly check email and blackboard for important information and updates regarding the class.

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Assessment and Grades

Course grades are composed of four major components:

- **Attendance:** Attendance points are based on attending classes, arriving on time, and remaining for the duration of the class. All three elements will be tracked for the duration of the semester and will result in a reduction on points if the criteria are not met. Excused absences, late arrivals, and early departures may be granted under reasonable justification for occurrence at the instructor's discretion. The instructor must be notified **PRIOR** to the beginning of class for an absence to be considered excused. An email notification will suffice. In addition, attendance points may be reduced should the student fail to adequately engage and participate in classroom activities (including inappropriate use of electronics or disruptive behavior); should this occur the instructor will first issue a warning then notify the student of the reduction in the case of recurring issues.
- **Assignments:** Students will be asked to complete 3 assignments worth 50 points each. More information will be provided when these are assigned.
- **In-Class Exams:** Three in-class exams will be given through the semester. Exact dates are listed on the schedule. MISSED EXAMS CANNOT BE MADE UP AT A LATER TIME and will be graded as a zero (0). A missed exam can be replaced by the final exam.
- **Final Presentation:** The final presentation will be an opportunity for you to present on a topic you have learned and enjoy while also sharing the importance or passion you feel on said topic.

Each component is weighted as follows:

Component	Points	Percentage
Attendance	50	8.33%
Assignments	150	25%
Exams	300	50%
Final Presentation	100	16.67%
Total	600	100%

Grading Scale

90.0 – 100%	A
80.0 – 89.9%	B
70.0 - 79.9%	C
60.0 – 69.9%	D
0 – 59.9%	F
N/A	I

Grades will only be discussed in-person. If you wish to discuss your grade, make an appointment with the instructor. **If you are concerned with your grade, make an appointment prior to the final exam.**

Professionalism

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Students and the instructor each have an important role in maintaining a classroom environment optimal for learning. You are expected to treat each other with respect during class, be understanding to individual differences and opinions, use thoughtful dialogue, and keep disruptive behaviors to a minimum. Behaviors that can be disruptive include the use of abusive language, chatting and whispering during class, the use of electronic equipment, preparing to leave before class is over, and consistently arriving late to class. Please keep these disruptions to a minimum. Repeated disruptive and/or inappropriate behavior in the classroom may result in a request to leave the class and/or a referral to the Office of Student Conduct and Resolution.

Academic Integrity

A fundamental principle for any educational institution, academic integrity is highly valued and seriously regarded at The University of Texas at El Paso. More specifically, students are expected to maintain absolute integrity and a high standard of individual honor in scholastic work undertaken at the University. At a minimum, you should complete any assignments, exams, and other scholastic endeavors with the utmost honesty, which requires you to:

- acknowledge the contributions of other sources to your scholastic efforts;
- complete individual assignments independently unless expressly authorized to seek or obtain assistance in preparing them;
- follow instructions for assignments and exams, and observe the standards of your academic discipline; and
- avoid engaging in any form of academic dishonesty on behalf of yourself or another student.

Violations of academic integrity will be subject to disciplinary action, per UTEP's policies. Refer to <https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html> for additional details.

Accommodations for Students with Disabilities

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). Contact the Center for Accommodations and Support Services at 915-747-5148, or email them at cass@utep.edu, or apply for accommodations online via the [CASS portal](#).

Covid-19 Precautions

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If you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms, let me know as soon as possible before class so that we can work on appropriate accommodations. The Student Health Center is equipped to provide COVID 19 testing. For more information about information and available resources on campus and in the community visit utep.edu/ehs/covid and epstrong.org, respectively.

Syllabus Change

The syllabus is subject to change based on time constraints and feedback. Any change will be communicated to students via email and a modified syllabus will be uploaded to blackboard.

Spring, 2024 Schedule

Week	Date	Topic	Assignments
1	1/17	Syllabus and Course Overview	
2	1/22	Introduction to Inventory Management – Theory VIRTUAL	
	1/24	Introduction to Inventory Management – Theory VIRTUAL	
3	1/29	DRP – Theory & Application	
	1/31	MRP – Theory & Application	
4	2/5	Basic EOQ – Theory	Assignment 1 available
	2/7	Basic EOQ – Application	
5	2/12	EOQ Variants – Theory and Application	Assignment 1 due
	2/14	Practice and Review	
6	2/19	Exam 1	
	2/21	Dealing with Uncertainty – Theory	
7	2/26	Continuous vs. Periodic Review - Theory	
	2/28	Optimum R,Q - Theory	
8	3/04	Optimum R,Q – Application	
	3/6	Managerial R,Q – Theory	
9	3/11	Spring Break – No Class	
	3/13	Spring Break – No Class	

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10	3/18	Managerial R,Q – Application6	Assignment 2 available
	3/20	Newsvendor - Theory	
11	3/25	Newsvendor – Application	Assignment 2 due
	3/27	Practice and Review	
12	4/1	Exam 2	
	4/3	Connecting Inventory Management to Forecasting – Theory & Application	
13	4/8	Connecting Inventory Management to Forecasting – Theory & Application	
	4/10	Inventory Management Strategies – Theory	
14	4/15	Introduction to Risk Pooling - Theory	
	4/17	DC Centralization - Application	Assignment 3 available
15	4/22	Order Splitting – Application	
	4/24	SKU Rationalization – Application	Assignment 3 due
16	4/29	Practice and Review	
	5/1	Exam 3	
17	5/8	Final Presentation Due by 11:59PM	